

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

01/25/2011

Brooke Watson
Assistant District Attorney, Suffolk County

Dear ADA Watson,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED]
Included are copies of the following:

1. Drug Analysis Laboratory Receipt.
2. Curriculum Vitae for Annie Dookhan & Daniel Renczkowski.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations, pictures and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Annie Dookhan was the custodial chemist and performed the testing and net weight for this sample.
Daniel Renczkowski was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Khan".

Annie Khan (Dookhan)
Chemist II
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6631
Annie.Khan@state.ma.us

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

*Appointed Assistant Analyst by Assistant Commissioner of Public Health, January 2004.

*Responsible for the identification of drugs to determine violations of harmful and narcotic drug laws.

*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

*Maintenance and repairs of all analytical instruments.

*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

* Responsible for the Quality Control/Quality Assurance program for the drug lab.

*Notary Public.

*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

*Writing, revising and reviewing Standard Operating Procedures (SOPs).

*Routine QC testing of products for the FDA.

*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

*Complete testing of chemicals for Vendor Validation Project for the FDA.

*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice – Forensics Professionals.

GLP/GMP course with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS courses with Agilent Technologies and Restek.

HPLC course with Waters Cooperation.

FTIR course with Spectros.

TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

Curriculum Vitae

Daniel Renczkowski

Education

Degree: Bachelors of Science in Forensic Chemistry,
May 2005 from Buffalo State College
GPA: 3.84, Dean's List, Honor's Recognition
American Chemical Society Undergraduate Award
Phi Lambda Upsilon Membership

Related Coursework:	Analytical Chemistry	Physical Chemistry
	Organic Chemistry I and II	Instrumental Chemistry
	Biochemistry	Forensics Laboratory
	Chemistry of Criminalistics	Physical Evidence
	Anatomy	Physiology

Employment

Massachusetts Department of Public Health Drug Analysis Laboratory

Chemist I (October 2005 – March 2008)

Chemist II (March 2008 – present)

- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff
- Successfully completed GC/MS training program
- Responsible for the identification of substances to determine violation of the Controlled Substances Act of the Massachusetts General Laws
- Responsible for maintenance and repairs of analytical instruments
- Responsible for quality control of analytical instruments and standards

Related Experience

Niagara County Forensics Laboratory

Forensic Internship, January 2005

- Conducted research on the presumptive testing of saliva
- Conducted research on the identification and detection of lubricants
- Observed all aspects of the laboratory including drug analysis, firearms comparison, trace evidence, arson investigation, toxicology, and serology
- Daily use of FTIR microscope and DuraSamplerII
- Familiarized with GC/MS programs

**DRUG RECEIPT**

CC #

BOOK # 65

PAGE # 98

DESTRUCTION #

District/Unit D-4 Drug Control Unit

Name & Rank of Arresting Officer Robert Walsh, P.O.

ID# 10794

DEFENDANT'S NAME

ADDRESS

CITY

STATE

Boston

ma

LAB USE ONLY

DESCRIPTION OF ITEMS SUBMITTED

GROSS QUANTITY

GROSS WEIGHT

ANALYSIS NUMBER

crack cocaine

3 P/B's

4.62 gm

" "

20 P/B's

9.11 gm

To be completed by ECU personnel only

Name and Rank of Submitting Officer

Sylvia White

ID# 11064

Received by

Date

7/28/10

ECU Control #

No. [REDACTED] Date Analyzed: 8-20-10
City: Boston D.C.U. Police Dept.
Officer: P.O. SYBIL WHITE
Def: [REDACTED]
Amount: Subst: SUB
No. Cont: 3 Cont: pb
Date Rec'd: 07/28/2010 No. Analyzed: 1
Gross Wt.: 4.62 Net Weight: 0.06
Tests: 6 ASD
DDTR

Prelim: Cocaine (C) Findings: Cocaine

No. [REDACTED] Date Analyzed: 8-20-10
City: Boston D.C.U. Police Dept.
Officer: P.O. SYBIL WHITE
Def: [REDACTED]
Amount: Subst: SUB
No. Cont: 20 Cont: pb
Date Rec'd: 07/28/2010 No. Analyzed: 2
Gross Wt.: 9.11 Net Weight: 2.08
Tests: 12 ASD
4DTR

Prelim: cocaine (C) Findings: Cocaine

DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED] AGENCY Boston ANALYST ASD

No. of samples tested: _____ Evidence Wt. _____

PHYSICAL DESCRIPTION: Gross Wt (3): 0.4069

off white cherry substance
173Pb Gross Wt (1): 0.1278

doublebagged Pkg. Wt: _____

Net Wt: 0.0620

PRELIMINARY TESTS

Spot Tests

Cobalt Thiocyanate (-) +

Marquis -

Froehde's -

Mecke's _____

Microcrystalline Tests

Gold Chloride +

TLTA (-) +

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS cocaine

DATE 8-19-10

GC/MS CONFIRMATORY TEST

RESULTS cocaine

MS OPERATOR DSC

DATE 8-20-10

DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED] AGENCY Boston ANALYST AJD

No. of samples tested: _____ Evidence Wt: _____

PHYSICAL DESCRIPTION: Gross Wt (20): 3.7269

Off white chunky substance Gross Wt (2): 0.3663

in 20 pbs Pkg. Wt: _____

similar. Net Wt: _____

PRELIMINARY TESTS

Spot Tests

Cobalt

2 Thiocyanate (-) +

2 Marquis -

2 Froehde's -

2 Mecke's -

Microcrystalline Tests

Gold

2 Chloride +

2 TLTA (-) +

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS cocaine

DATE 8-19-10

GC/MS CONFIRMATORY TEST

RESULTS cocaine

MS
OPERATOR DJQ

DATE 8-20-10

Sample #: [REDACTED]

samples tested: 2

#	Gross Weight	Packet Weight	Net Weight	#	Gross Weight	Packet Weight	Net Weight
1	0.1359	0.0708	0.0651	26			
2	0.2104	0.0868	0.1236	27			
3				28			
4				29			
5				30			
6				31			
7				32			
8				33			
9				34			
10				35			
11				36			
12				37			
13				38			
14				39			
15				40			
16				41			
17				42			
18				43			
19				44			
20				45			
21				46			
22				47			
23				48			
24				49			
25				50			

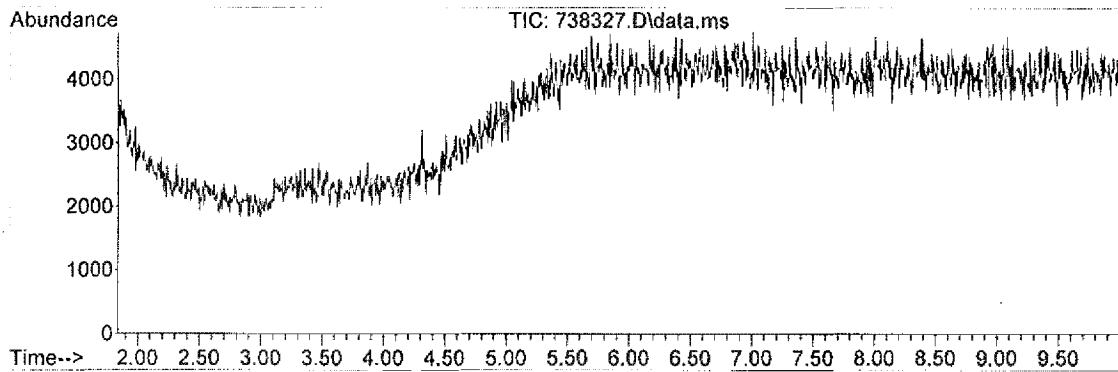
Calculations:

$$\text{Gross weight} + \text{Weight of packet} = 0.2087 / 2 = 0.10435(20) \\ = 2.087$$

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\08_19_10\738327.D
Operator : ASD
Date Acquired : 19 Aug 2010 15:32
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : Chemstation

✓ DSR
1-20-11

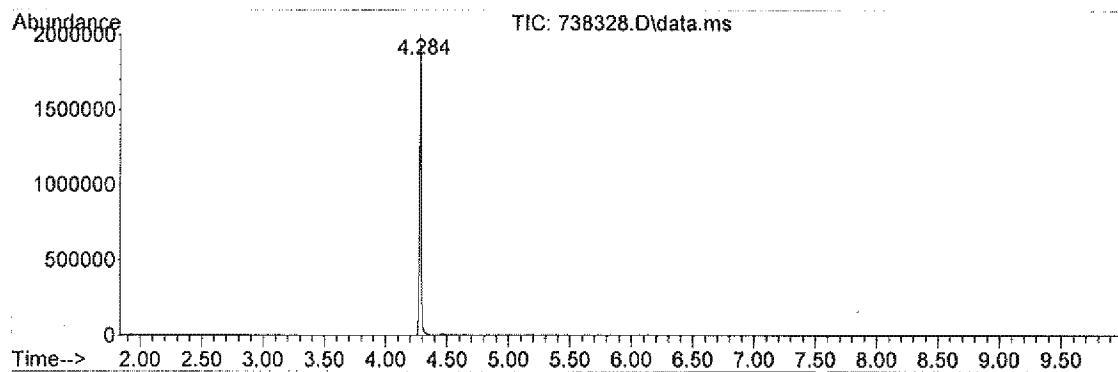


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\08_19_10\738328.D
Operator : ASD
Date Acquired : 19 Aug 2010 15:44
Sample Name : COCAINE STD
Submitted by : ASD
Vial Number : 28
AcquisitionMeth: DRUGS.M
Integrator : Chemstation



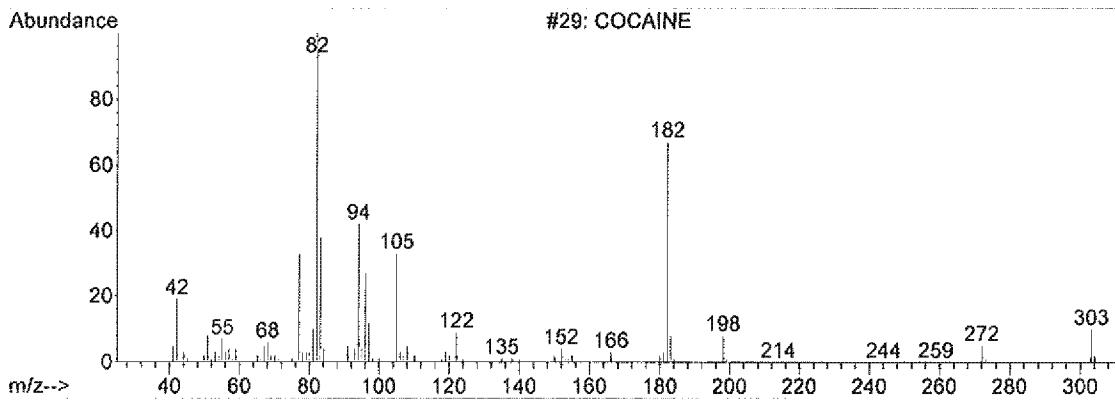
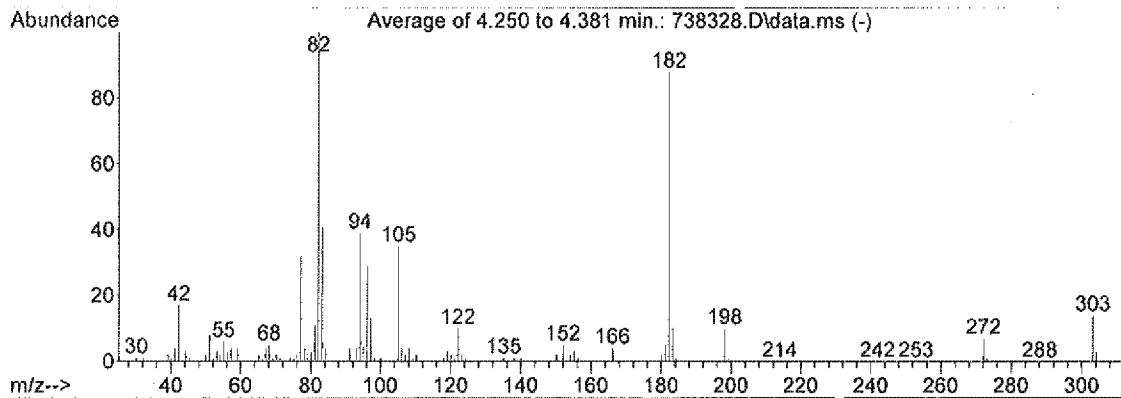
Ret. Time	Area	Area %	Ratio %
4.284	20159283	100.00	100.00

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\08_19_10\738328.D
Operator : ASD
Date Acquired : 19 Aug 2010 15:44
Sample Name : COCAINE STD
Submitted by : ASD
Vial Number : 28
AcquisitionMeth: DRUGS.M
Integrator : Chemstation

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

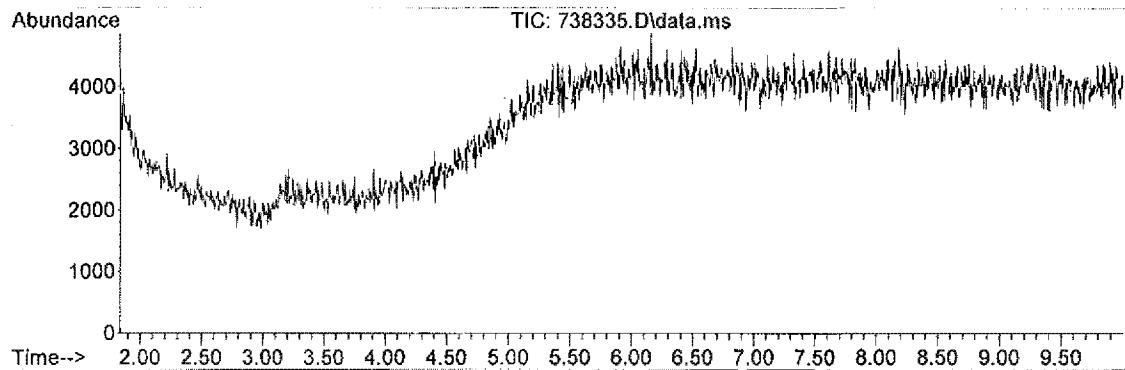
PK#	RT	Library/ID	CAS#	Qual
1	4.28	C:\Database\SLI.L COCAINE	000050-36-2	99



Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\08_19_10\738335.D
Operator : ASD
Date Acquired : 19 Aug 2010 17:15
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : Chemstation



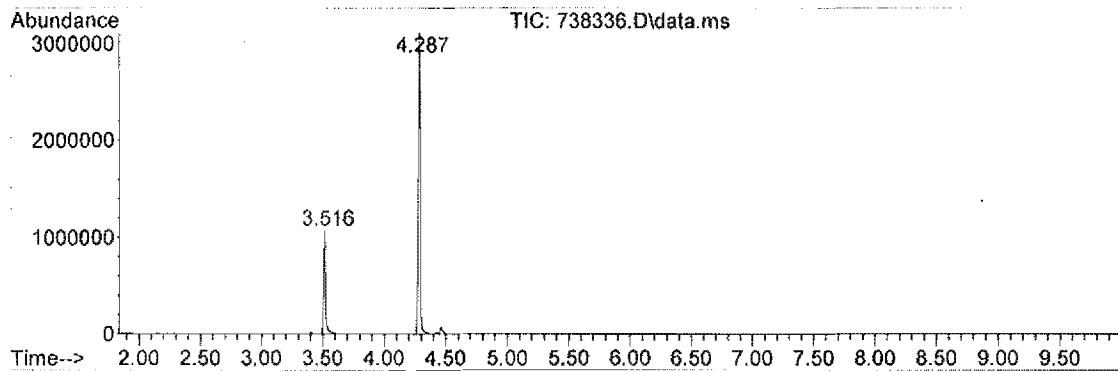
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\08_19_10\738336.D
Operator : ASD
Date Acquired : 19 Aug 2010 17:27
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 36
AcquisitionMeth: DRUGS.M
Integrator : Chemstation



Ret. Time	Area	Area %	Ratio %
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3.516	11341390	24.38	32.24
4.287	35176771	75.62	100.00

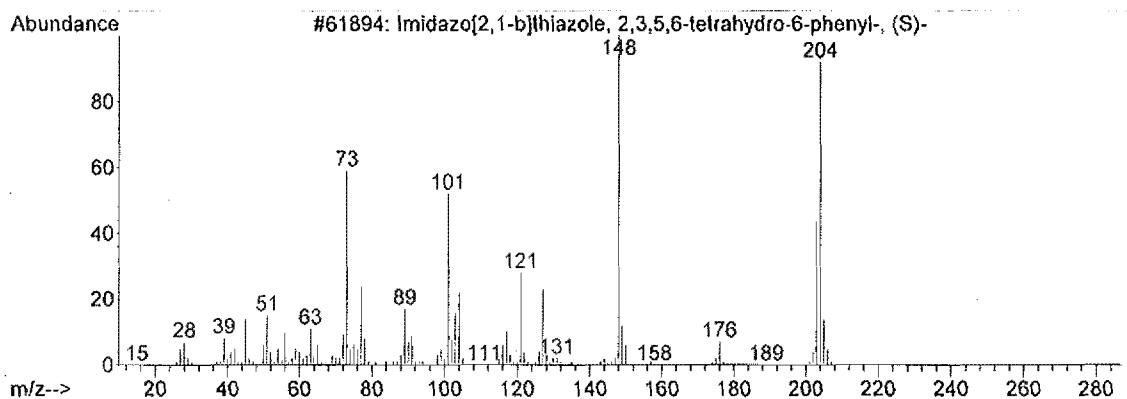
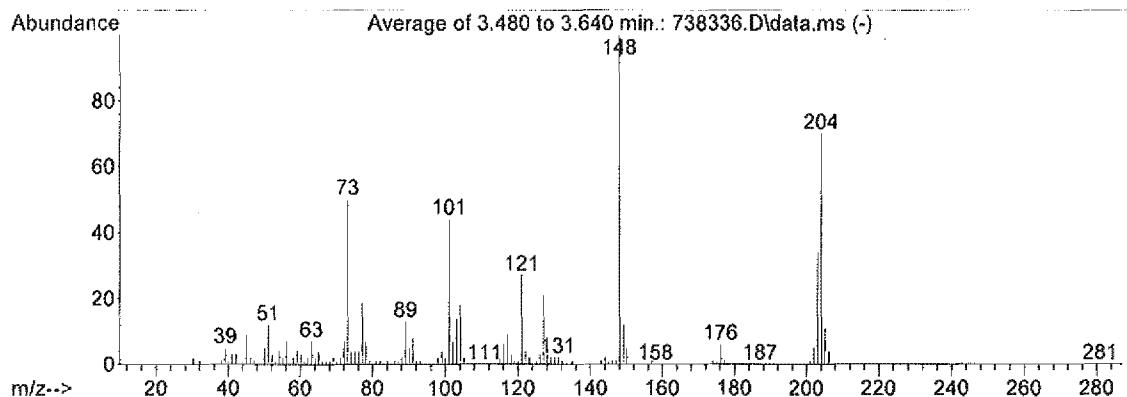
Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\08_19_10\738336.D
Operator : ASD
Date Acquired : 19 Aug 2010 17:27
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 36
AcquisitionMeth: DRUGS.M
Integrator : Chemstation

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	3.52	C:\Database\NIST08.L		
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	014769-73-4	99
		Levamisole	006649-23-6	99
		Levamisole	006649-23-6	98



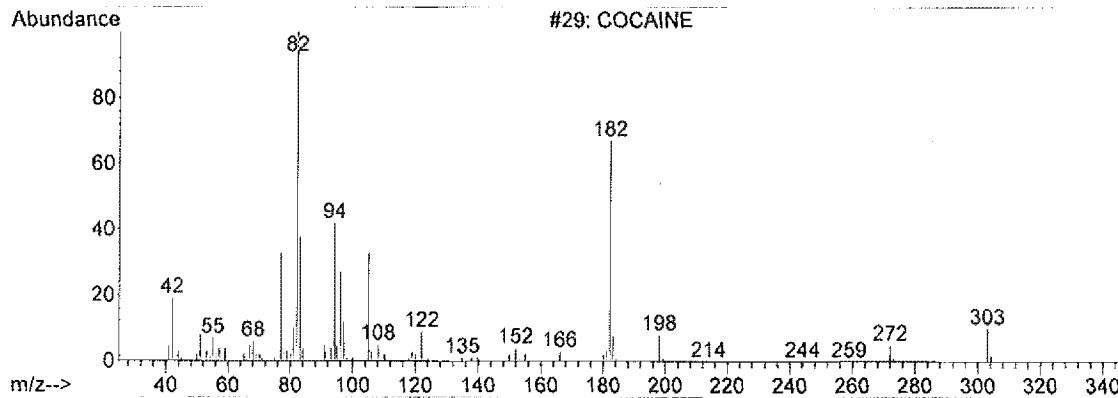
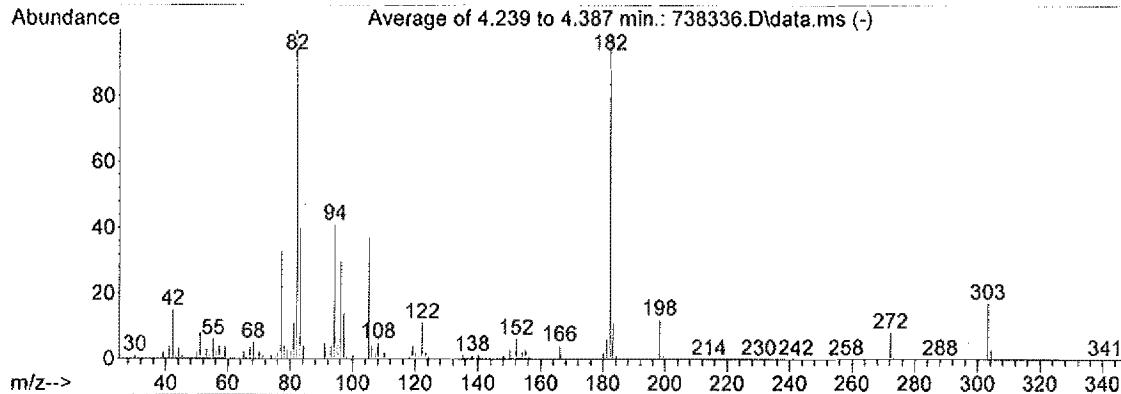
Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\08_19_10\738336.D
Operator : ASD
Date Acquired : 19 Aug 2010 17:27
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 36
AcquisitionMeth: DRUGS.M
Integrator : Chemstation

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

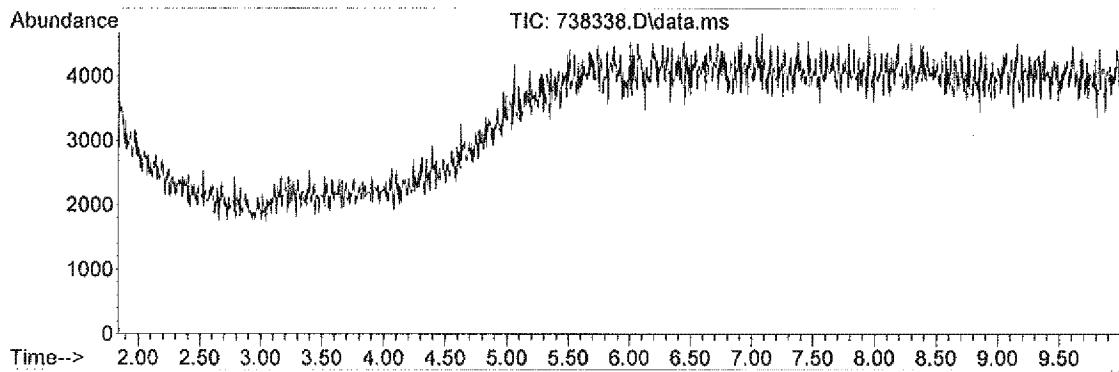
PK#	RT	Library/ID	CAS#	Qual
2	4.29	C:\Database\SLI.L COCAINE	000050-36-2	99



Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\08_19_10\738338.D
Operator : ASD
Date Acquired : 19 Aug 2010 17:53
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : Chemstation



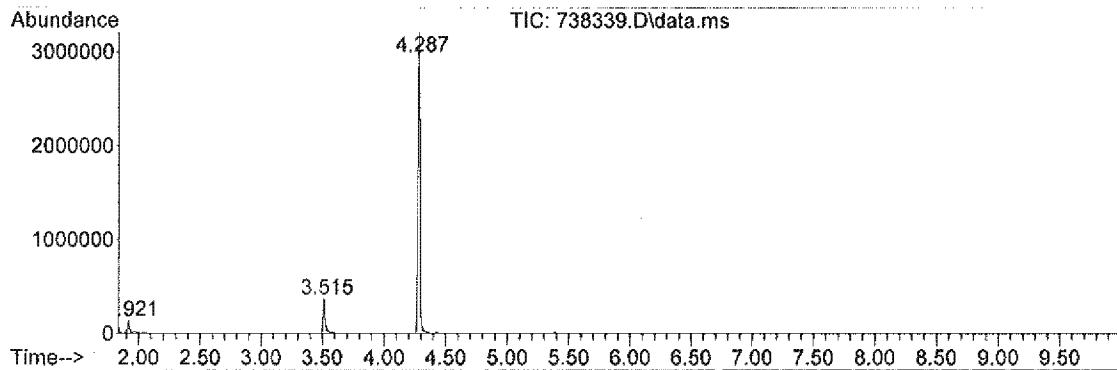
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\08_19_10\738339.D
Operator : ASD
Date Acquired : 19 Aug 2010 18:06
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 39
AcquisitionMeth: DRUGS.M
Integrator : Chemstation



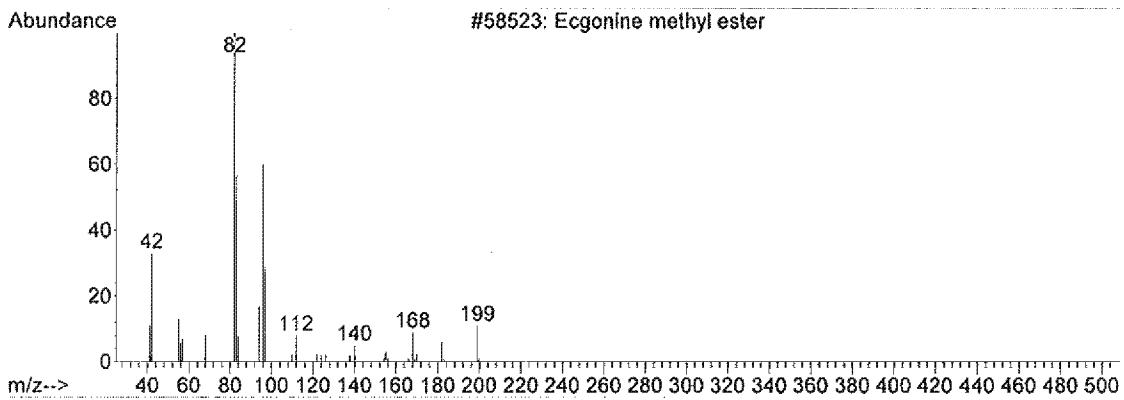
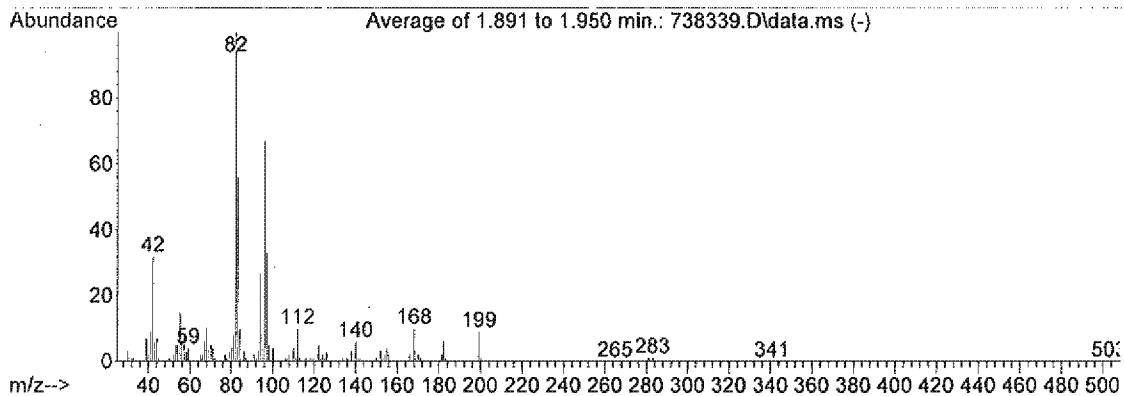
Ret. Time	Area	Area %	Ratio %
1.921	1265733	2.93	3.37
3.515	4469720	10.33	11.91
4.287	37517433	86.74	100.00

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\08_19_10\738339.D
Operator : ASD
Date Acquired : 19 Aug 2010 18:06
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 39
AcquisitionMeth: DRUGS.M
Integrator : Chemstation

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	1.92	C:\Database\NIST08.L		
		Ecgonine methyl ester	106293-60-1	98
		Ecgonine methyl ester	106293-60-1	98
		Ecgonine methyl ester	106293-60-1	97

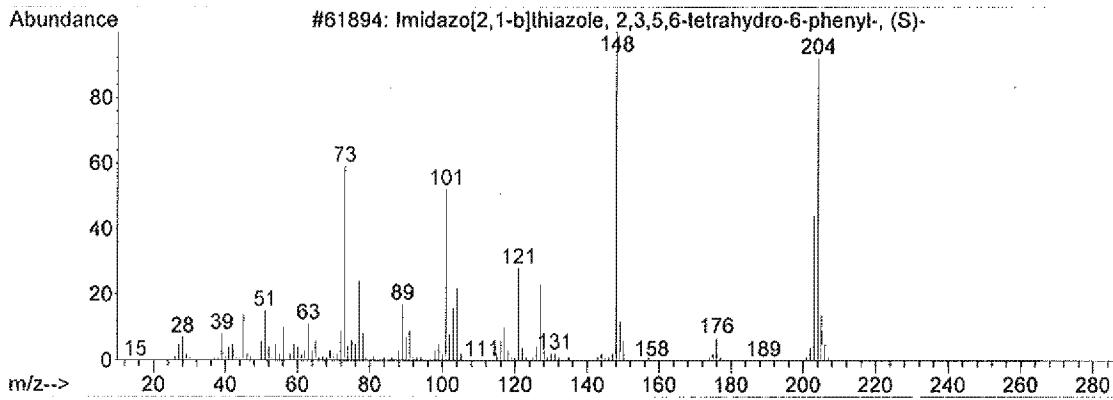
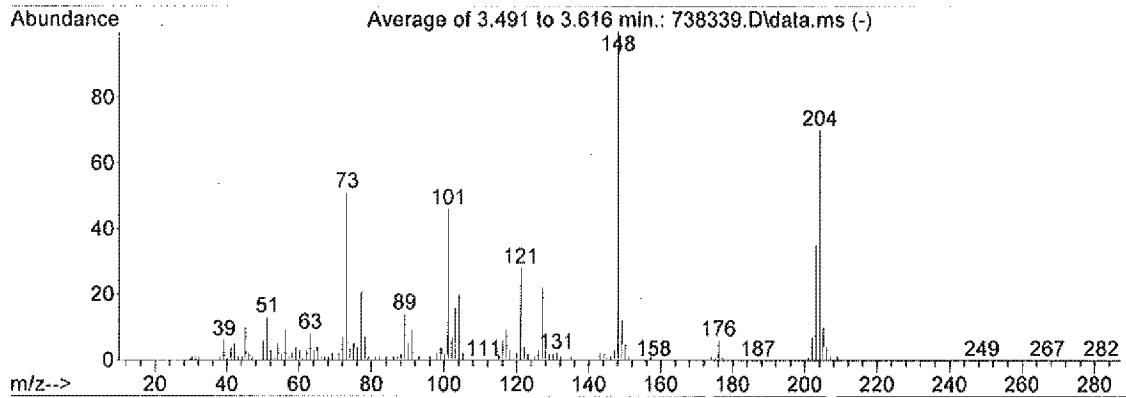


Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\08_19_10\738339.D
Operator : ASD
Date Acquired : 19 Aug 2010 18:06
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 39
AcquisitionMeth: DRUGS.M
Integrator : Chemstation

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	3.52	C:\Database\NIST08.L		
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	014769-73-4	99
		Levamisole	006649-23-6	99
		Levamisole	006649-23-6	98



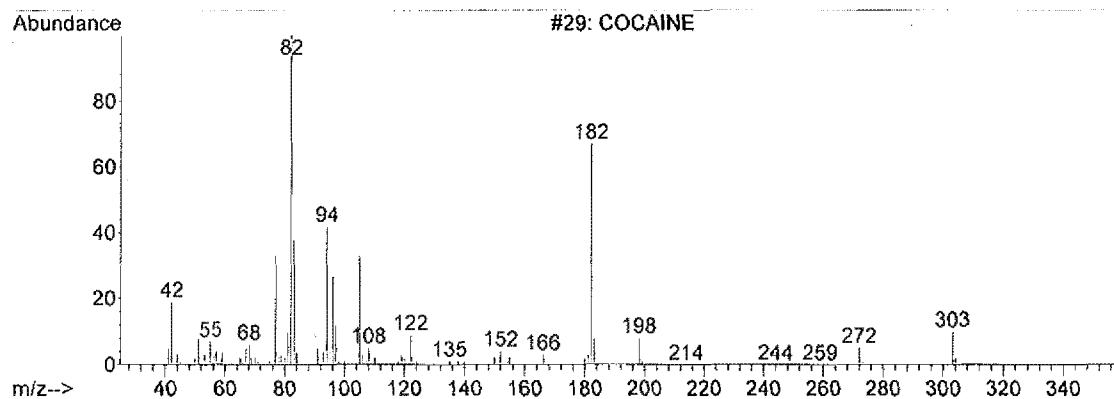
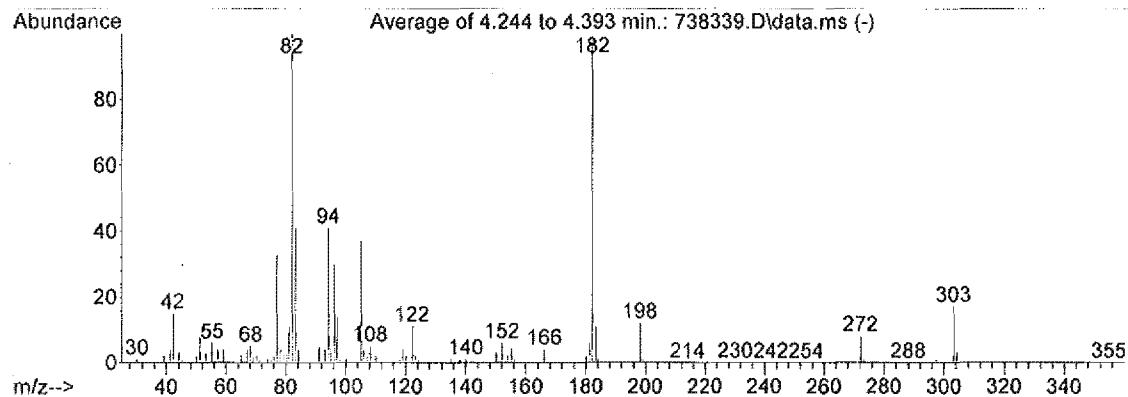
Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\08_19_10\738339.D
Operator : ASD
Date Acquired : 19 Aug 2010 18:06
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 39
AcquisitionMeth: DRUGS.M
Integrator : Chemstation

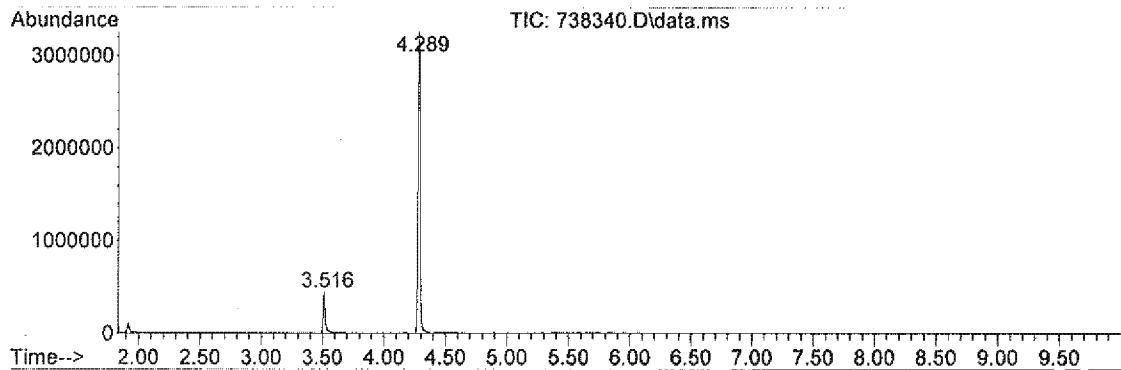
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
3	4.29	C:\Database\SLI.L COCAINE	000050-36-2	99



Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\08_19_10\738340.D
Operator : ASD
Date Acquired : 19 Aug 2010 18:19
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 40
AcquisitionMeth: DRUGS.M
Integrator : Chemstation



Ret. Time	Area	Area %	Ratio %
3.516	5091741	11.19	12.60
4.289	40420220	88.81	100.00

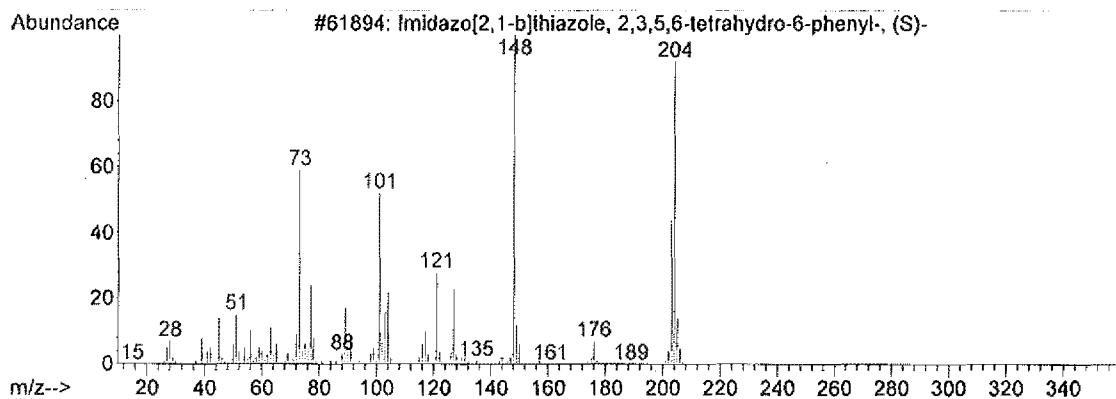
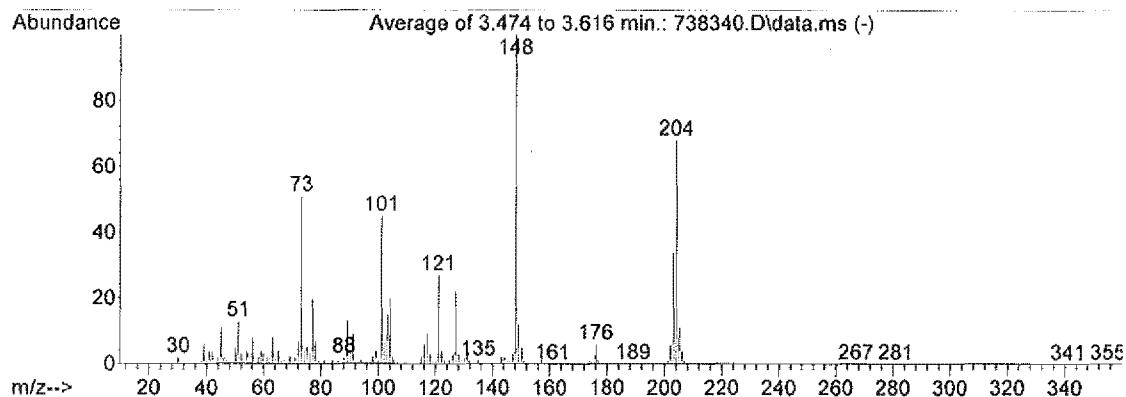
Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\08_19_10\738340.D
Operator : ASD
Date Acquired : 19 Aug 2010 18:19
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 40
AcquisitionMeth: DRUGS.M
Integrator : Chemstation

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	3.52	C:\Database\NIST08.L		
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	014769-73-4	99
		Levamisole	006649-23-6	99
		Levamisole	006649-23-6	98



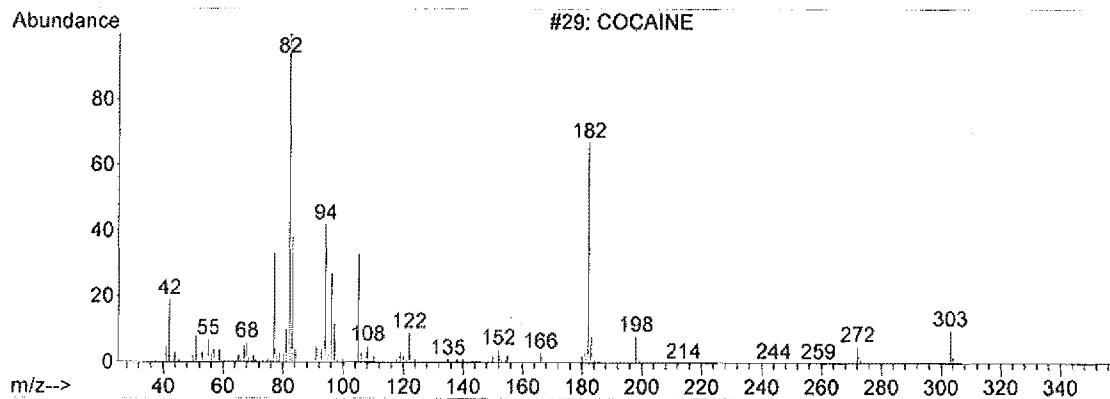
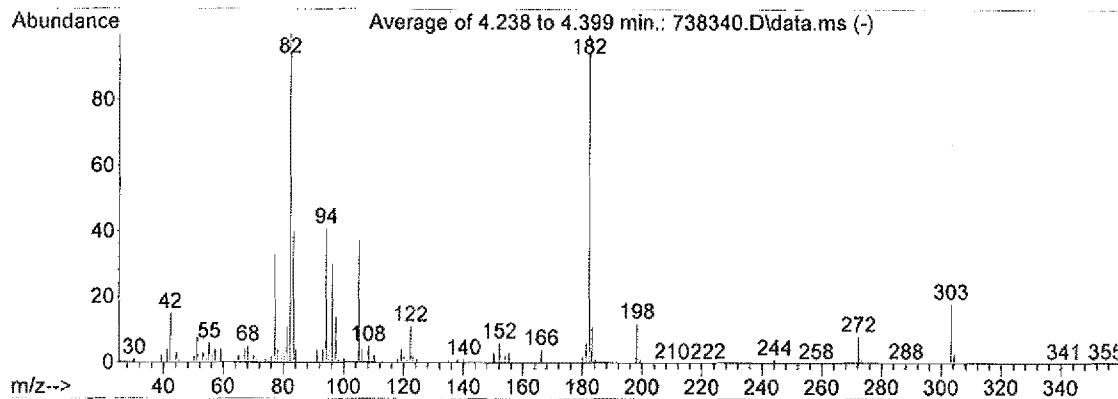
Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\08_19_10\738340.D
Operator : ASD
Date Acquired : 19 Aug 2010 18:19
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 40
AcquisitionMeth: DRUGS.M
Integrator : Chemstation

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

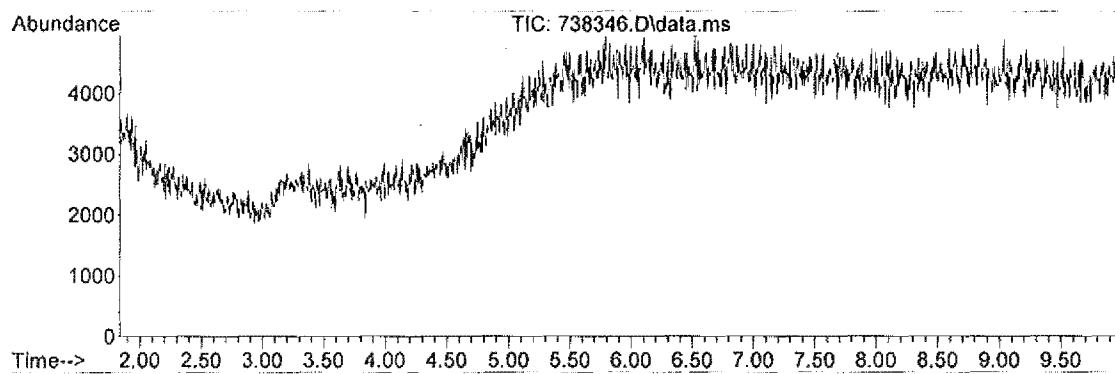
PK#	RT	Library/ID	CAS#	Qual
2	4.29	C:\Database\SLI.L COCAINE	000050-36-2	99



Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\08_19_10\738346.D
Operator : ASD
Date Acquired : 19 Aug 2010 19:36
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : Chemstation



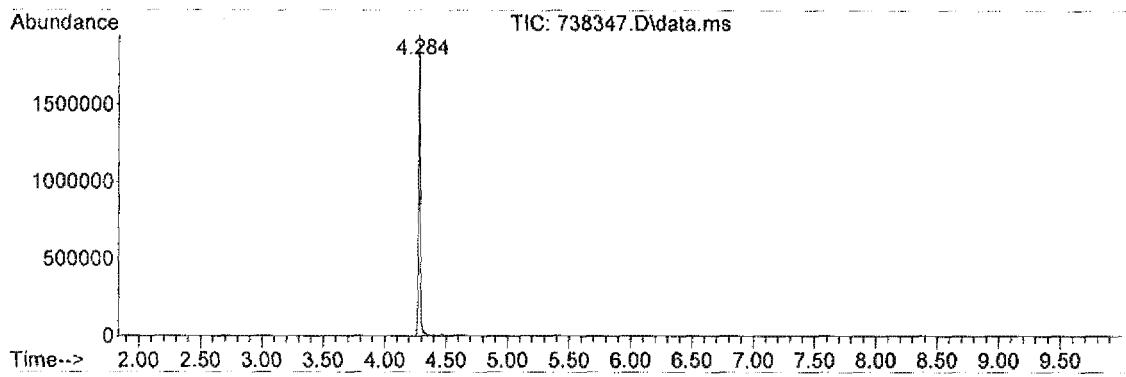
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\08_19_10\738347.D
Operator : ASD
Date Acquired : 19 Aug 2010 19:49
Sample Name : COCAINE STD
Submitted by : ASD
Vial Number : 28
AcquisitionMeth: DRUGS.M
Integrator : Chemstation



Ret. Time	Area	Area %	Ratio %
4.284	20157200	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\08_19_10\738347.D
 Operator : ASD
 Date Acquired : 19 Aug 2010 19:49
 Sample Name : COCAINE STD
 Submitted by : ASD
 Vial Number : 28
 AcquisitionMeth: DRUGS.M
 Integrator : Chemstation

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST08.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	4.28	C:\Database\SLI.L COCAINE	000050-36-2	99

